

PROJECT DESCRIPTION

1. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL WITH THE INSTALLATION OF LED VEHICULAR SIGNALS AT THE INTERSECTION OF MD 103 (MONTGOMERY ROAD) AND LONG GATE CENTER ENTRANCE IN HOWARD COUNTY.

MD 103 (MONTGOMERY ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

1.1. INTERSECTION OPERATION

THE INTERSECTION SHALL CONTINUE TO OPERATE IN A FOUR-PHASE, FULLY-ACTUATED MODE WITH MD 103 (MONTGOMERY RD) RUNNING CONCURRENTLY. THE WESTBOUND MD 103 EXCLUSIVE/PERMISSIVE LEFT-TURN WILL BE MODIFIED TO AN EXCLUSIVE LEFT-TURN PHASE.

PROJECT CONTACTS:

1. THE FOLLOWING ARE THE CONTACT PERSONS FOR THIS PROJECT:

- MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140
- MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 624-8200
- MS. SUSAN PALMER, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105
- MS. ANDREA ABEND, UTILITY ENGINEER
PHONE: (301) 624-8115
- MR. RICHARD DAFF, SR., CHIEF - TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
- MR. EDWARD RODENHIZER, CHIEF - SIGNAL SHOP
PHONE: (410) 787- 7652
- MR. SONNY BAILEY, CHIEF - SIGN SHOP
PHONE: (410) 787- 7676

2. MAINTENANCE OF TRAFFIC SHALL BE HANDLED BY SHA FORCES UTILIZING THE STANDARD PLATES FOR TRAFFIC CONTROL FROM SECTION MD 104.00 OF THE SHA BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES.

EQUIPMENT LIST 'B'

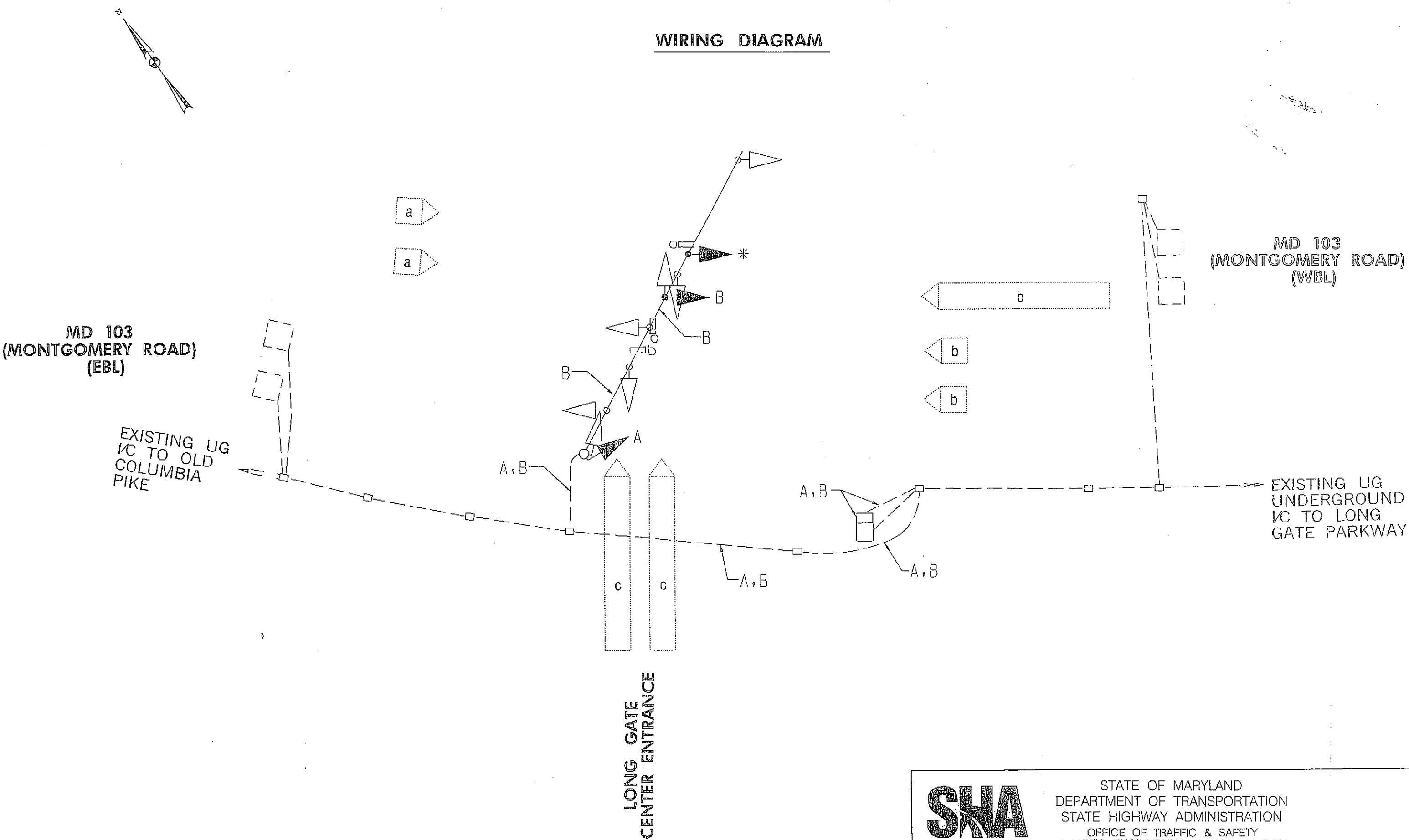
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY SHA SHOP FORCES

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	9 EA	12" LED SIGNAL HEAD SECTION
8013	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8025	400 LF	ELECTRICAL CABLE 5-CONDUCTOR NO. 14 AWG

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
PHASE 2 + 5	R	R	-G-	-G-	G	G	R	R	FL/R	FL/R
PHASE 5 CHANGE	R	R	-Y-	-Y-	G	G	R	R	FL/R	FL/R
PHASE 2 + 6	G	G	-R-	-R-	G	G	R	R	FL/R	FL/R
PHASE 2 + 6 CHANGE	Y	Y	-R-	-R-	Y	Y	R	R	FL/R	FL/R
PHASE 4	R	R	-R-	-R-	R	R	G	G	FL/R	FL/R
PHASE 4 CHANGE	R	R	-R-	-R-	R	R	Y	Y	FL/R	FL/R
FLASHING OPERATION	FL/Y	FL/Y	FL/-R	FL/-R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



SHA		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 103 (MONTGOMERY ROAD) AND LONG GATE CENTER ENTRANCE ELICOTT CITY, MD			
GENERAL INFORMATION SHEET			
SCALE _____ NTS _____		ADVERTISED DATE _____ CONTRACT NO. SHA SHOP FORCES	
DESIGNED BY _____ JWA _____	COUNTY _____ HOWARD _____		
DRAWN BY _____ JWA _____	LOGMILE _____ 13010306.98 _____		
CHECKED BY _____ NR _____	TIMS NO. _____ K667 _____		
F.A.P. NO. _____ SEE TITLE SHEET _____		TOD NO. _____	
TS NO. 3804B	DRAWING SG-02 OF 2	SHEET NO. 2 OF 2	

WIRING KEY	
A, B	5 CONDUCTOR NO. 14 AWG ELEC. CABLE
*	USE EXISTING WIRING

THIRTY CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031